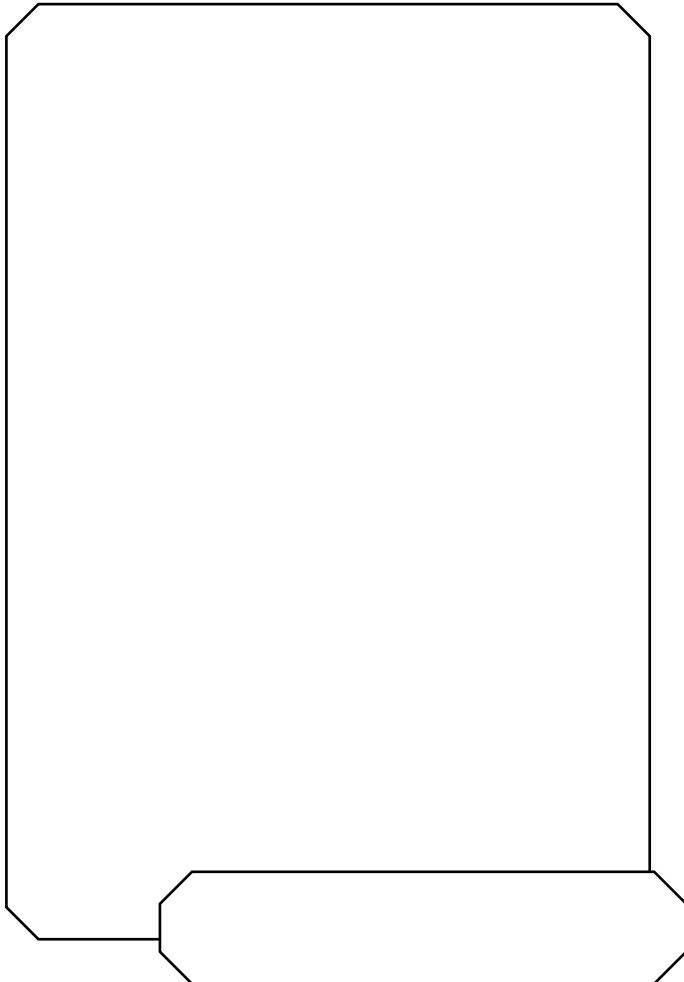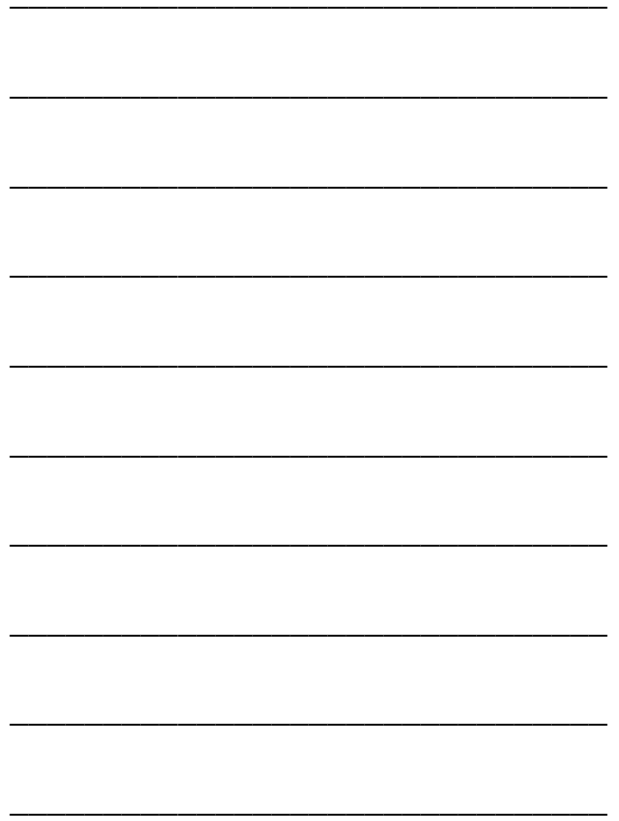# I SPY... A SECRET WILDLIFE AGENT!

Research an animal that you believe would be a valued agent at the Wildlife Intelligence Agency. Create a profile for them below.

Agent profile

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Area of Operation

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Tactical Expertise

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GET SQUARE

Read the Dossier of Discovery 'A Cube Called Rubik' and answer the questions below based on a standard Rubik's cube.

How many corners does a Rubik's cube have?

If each square on a Rubik's cube is 2cm^2 and you took them apart and laid them end to end in a straight line, how long and wide would the line be?

If you were to turn one face of a Rubik's cube 90 degrees, how many of the coloured squares would change their position?

How many coloured squares are on each face?

How many faces does a Rubik's cube have?

If the length of each side of a Rubik's cube is 7cm, what is the surface area of the whole cube?

If you turned each face of the Rubik's cube, how many turns would it take in total before all squares are back to their original position?

How many coloured squares are there in total?

ANSWERS

Large squares

□ _____

□ _____

□ _____

□ _____

Small squares

□ _____

□ _____

□ _____

□ _____

Create a timeline below about the Rubik's cube based on information from the article.